

compared with nascent PL. VLDL contained equal amounts of nascent and preformed TG, whereas CM contained higher amounts of nascent TG even when nascent TG constituted a small fraction of the total cellular pool. These studies indicate that nascent TG and preformed PL are preferentially used for CM assembly and provide a molecular explanation for the in vivo observations that the fatty acid composition of TG, but not PL, of secreted CM reflects the composition of dietary fat. It is proposed that in the intestinal cells the preformed PL from the endoplasmic reticulum bud off with apoB as primordial particles and the assembly of larger lipoproteins is dependent on the synthesis and delivery of nascent TG to these particles.

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(FILE 'HOME' ENTERED AT 09:46:17 ON 18 JUN 2004)

FILE 'CABA, BIOSIS, CAPLUS, MEDLINE' ENTERED AT 09:49:35 ON 18 JUN 2004

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L1      184617 TRIGLYCERIDE
L2      139942 LDL OR (LOW (W) DENSITY (W) LIPOPROTEIN)
L3      410602 (NON-IONIC (W) SURFACE-ACTIVE) OR SURFACTANT OR DETERGENT
L4      649449 COPOLYMER OR (BLOCK (W) COPOLYMER) OR (PROPYLENE (W) OXIDE) OR
L5      1 (SPECIFIC? (A) SOLUBL?) AND L2
L6      3 L1 AND L2 AND L3 AND L4
L7      3062 L1 (A) L2
L8      1 L7 (A) L3
L9      0 L7 (A) L4
L10     1 L7 AND L4
L11     124201 SOLUB? AND (L3 OR L4)
L12     15914 SPECIFIC? AND L11
L13     54 L4 AND (DIFFERENT? (A) SPECIFIC?)
L14     49 DUP REM L13 (5 DUPLICATES REMOVED)
L15     0 L14 AND L1 AND L2
L16     0 L14 AND L1
L17     25 L14 AND PY<1997
L18     349 L3 AND (DIFFERENT? (W) SOLUB?)
L19     0 L18 AND L2
L20     1 L18 AND L1
L21     7223 PLURONIC
L22     30 L21 AND L1 AND L2
L23     16 DUP REM L22 (14 DUPLICATES REMOVED)
L24     3 L23 AND PY>1997

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L Number	Hits	Search Text	DB	Time stamp
21	595197	copolymer or poloxamer or poloxamine or pluronic or tetronic or butronic	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 11:45
22	67799	solub? or (surface adj active adj agent)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 11:46
23	23864	(copolymer or poloxamer or poloxamine or pluronic or tetronic or butronic) and (solub? or (surface adj active adj agent))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 11:46
24	49072	ldl or (low adj density adj lipoprotein) or triglyceride	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 11:54
25	1623	((copolymer or poloxamer or poloxamine or pluronic or tetronic or butronic) and (solub? or (surface adj active adj agent))) and (ldl or (low adj density adj lipoprotein) or triglyceride)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 11:55
26	142	(solub? or (surface adj active adj agent)) and (different? or specific?)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 11:56
27	20	((solub? or (surface adj active adj agent)) and (different? or specific?)) and (ldl or (low adj density adj lipoprotein) or triglyceride)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/18 11:57

FILE 'CABA, BIOSIS, CAPLUS, MEDLINE' ENTERED AT 09:49:35 ON 18 JUN 2004

L1 184617 TRIGLYCERIDE
L2 139942 LDL OR (LOW (W) DENSITY (W) LIPOPROTEIN)
L3 410602 (NON-IONIC (W) SURFACE-ACTIVE) OR SURFACTANT OR DETERGENT
L4 649449 COPOLYMER OR (BLOCK (W) COPOLYMER) OR (PROPYLENE (W) OXIDE) OR
L5 1 (SPECIFIC? (A) SOLUBL?) AND L2
L6 3 L1 AND L2 AND L3 AND L4
L7 3062 L1 (A) L2
L8 1 L7 (A) L3
L9 0 L7 (A) L4
L10 1 L7 AND L4
L11 124201 SOLUB? AND (L3 OR L4)
L12 15914 SPECIFIC? AND L11
L13 54 L4 AND (DIFFERENT? (A) SPECIFIC?)
L14 49 DUP REM L13 (5 DUPLICATES REMOVED)
L15 0 L14 AND L1 AND L2
L16 0 L14 AND L1
L17 25 L14 AND PY<1997
L18 349 L3 AND (DIFFERENT? (W) SOLUB?)
L19 0 L18 AND L2
L20 1 L18 AND L1
L21 7223 PLURONIC
L22 30 L21 AND L1 AND L2
L23 16 DUP REM L22 (14 DUPLICATES REMOVED)
L24 3 L23 AND PY>1997
L25 84709 OXIDE (A) (PROPYLENE OR ETHYLENE)
L26 40392 CYCLODEXTRIN
L27 209178 LIPASE OR ESTERASE
L28 3 L25 AND L26 AND L27

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